

AMENDMENTS TO THE CLAIMS

Following is a listing of all claims in the present application, which listing supersedes all previously presented claims:

Listing of the Claims:

1. (Currently Amended) A flat panel for a cathode ray tube comprising:
a glass having an outer surface and an inner surface;
[[an]] the outer surface having a flat configuration; [[and]]
[[an]] the inner surface having a non-spherical, convexly curved configuration relative to the outer surface and satisfying formula 1,

$$Y_1 \leq Y_2 \dots \dots \dots (\text{formula 1})$$

wherein Y_1 represents a vertical distance between the outer surface and a refracted screen image on a central axis of the panel, and Y_2 represents a vertical distance between the outer surface and the refracted screen image in peripheral areas other than the central axis of the panel[[,]]; and

the glass having a first thickness in a central area of the panel and a second thickness in the peripheral areas of the panel, a ratio of the first thickness to the second thickness providing wherein the panel is formed of a transparent glass having a transmission ratio of transmission in the peripheral areas to that of the central area of 60% or more.

2. (Canceled).

3. (Currently Amended) In a cathode ray tube comprising a funnel having a neck part and an opening part, an electron gun provided at a front end portion of the neck part in the funnel for emitting electron beams, a deflection yoke for deflecting the electron beams emitted from the electron gun, a shadow mask for discriminating the electron beams deflected by the deflection yoke, and a panel coupled in the opening part of the funnel and provided with a phosphor surface inside for realizing a screen image by the electron beams discriminated by the shadow mask, the panel comprising:

a glass having an outer surface and an inner surface;

[[an]] the outer surface having a flat configuration; and
[[an]] the inner surface having a non-spherical, convexly curved configuration relative to the outer surface and satisfying formula 1,

$$Y_1 \leq Y_2 \dots \dots \dots (\text{formula 1})$$

wherein Y_1 represents a vertical distance between the outer surface and a refracted screen image on a central axis of the panel, and Y_2 represents a vertical distance between the outer surface and the refracted screen image in peripheral areas other than the central axis of the panel[[,]]; and

the glass having a first thickness in a central area of the panel and a second thickness in the peripheral areas of the panel, a ratio of the first thickness to the second thickness providing wherein the panel is formed of a transparent glass having a transmission ratio of transmission in the peripheral areas to that of the central area of 60% or more.

4. (Canceled).